

# Work Order ID 71159

Thursday, June 23, 2011 11:10:17 AM

Page 1

Item ID: D3672-3

Accept

Setup Start

Revision ID:

Stop

Item Name: Phenolic Washer

Start Date: 6/23/2011 Start Qty: 500.00

Cust Item ID:

Required Date: 6/30/2011 Req'd Qty: 500.00

Customer:

Reference:

Approvals: Process Plan: CL Date: 11/06/23 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3672	Rev C

100	PURCHASING	0.00							
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>14356</u>								
	Purchase Part Number: MM .500 OD X .267 ID X .031 +/- .002								
	Supplier: HASKINS INDUSTRIAL								
	Certificate of conformity is required								

CL 11/06/23 500

110	Receive & Inspect for Damage & Mat'l Certs	0.00							
Packaging	Memo	0.00							
Packaging	Ensure certificate of conformity is attached								

CL 11/06/23  
Pur/Ins (500)

120	QC6- Inspect dimensions to drawing	0.00							
QC	Memo	0.00							
Quality Control									

8/11/06/23  
x500  
25/01/9

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Work Order ID 71159

Thursday, June 23, 2011 11:10:17 AM



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Item ID: D3672-3

Accept



Setup Start



Revision ID:

Item Name: Phenolic Washer

Stop



Start Date: 6/23/2011 Start Qty: 500.00



Cust Item ID:

Required Date: 6/30/2011 Req'd Qty: 500.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130

Identify as per dwg & Stock Location: ST 74

0.00



Packaging

Memo

0.00

Packaging

JB LC 11/06/29

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/06/29 JA

11-06-29  
500

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

Thursday, June 23, 2011 11:10:15 AM

Page 1

Work Order ID: 71159



Parent Item: D3672-3



Parent Item Name: Phenolic Washer


Start Date: 6/23/2011

Required Date: 6/30/2011

Start Qty: 500.00

Required Qty: 500.00

Comments: IPP Rev:A New Issue 07-09-09 JLM Verified By:EC  
IPP Rev:B ECN 1056 07-11-13 DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3672-3P  WASHER		Purchased	No			110	Each	0.0000	1	500			



*6/23/11 500*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

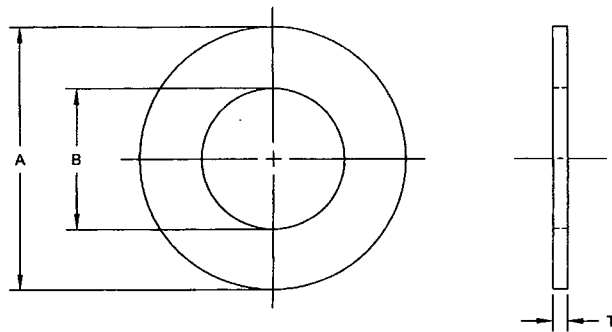
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# SPECIFICATION CONTROL DRAWING



**D3672-X PHENOLIC WASHER**

Dart P/N	A (IN)	B (IN)	T (IN)	SUPPLIER P/N	REPLACES
D3672-1	0.437	0.210	0.031	MM .437OD x .210ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H3L
D3672-3	0.500	0.267	0.031	MM .500OD x .267ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H4L
D3672-5	0.562	0.326	0.062	MM .562OD x .326ID x .062 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5
D3672-7	0.562	0.328	0.031	MM .562OD x .328ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5L
D3672-9	0.625	0.390	0.031	MM .625OD x .390ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H6L
D3672-11	0.750	0.453	0.031	MM .750OD x .453ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H7L
D3672-13	0.875	0.515	0.031	MM .875OD x .515ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H8L



## NOTES:

- 1) MATERIAL: PHENOLIC. PURCHASE HASKINS INDUSTRIAL INC. P/N PER TABLE (IN QUANTITIES OF 1000)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 11159  
*CZ11106/23*

RELEASED  
2009-12-14  
*MB*

C	REDRAW, ADD -13 (ZN A8-1), PAR 09-038	CP	09.11.04
B	ADD -5/-7/-9/-11	DC	07.10.09
A	NEW ISSUE	DC	07.08.28
REV.	DESCRIPTION	BY	DATE
DESIGN	DC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	gp		
CHECKED	AA	DRAWING NO.	REV. C
MFG. APPR.	AA	D3672	SHEET 1 OF 1
APPROVED	WY	TITLE	SCALE
DE APPR.	WY	PHENOLIC WASHER	NTS
DATE	09.11.04	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO14357

Purchase Order Date 6/23/2011

PO Print Date 6/24/2011

Page Number 1 of 1

Order From :

VC-HAS001

HASKINS INDUSTRIAL  
5-52 ANTARES DRIVE  
NEPEAN, ON K2E 7Z1  
CA

Contact Name

Vendor Phone 613 723 8800

Vendor Fax 613 723 8806

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

RECEIVED

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

FAKED

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D3672-3P	WASHER	6/28/2011 Yes	500.00 Each	Dicom	\$0.3229	\$161.45
		Special Inst:	AS PER DWG D3672 REV. C B71159 P/N: MM .500 OD X .267 ID X .031 +/- .002				
2	806206 C211106124	PIP PIN	6/28/2011 Yes	12.00 Each	Dicom	\$22.8200	\$273.84
		Special Inst:	AS PER DWG D3489 REV. A B71172 JERGENS P/N: 806-206				
3		121-714 1/2 X 100" SOWA CHANFER	7/8/2011 Yes	2.00 Each	Dicom	\$109.7500	\$219.50

Deliver To: CNC

PO Total: \$654.79

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 2

Change Date: 6/24/2011



M.M. SALES ADMINISTRATRIX LTD.

7650 KIMBEL STREET  
UNIT # 35  
MISSISSAUGA, ONTARIO  
L5S 1L2

# PACKING SLIP

ISO 9001:2008  
Registered

Date	Invoice #
24/06/2011	2172

Invoice To
HASKINS INDUSTRIAL INC 5- 52 ANTARES DRIVE NEPEAN, ONTARIO K2E 7Z1

Ship To
DART AEROSPACE LTD. 1270 ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7 TAG P.O. #14357

P.O. No.
201103

Ship Date	Ship Via	FOB
24/06/2011	PUROLAT...	MISSISSAUGA

Description	Qty
<p>P/M <u>MMS-D3672-3</u> PHENOLIC FIBRE FLAT WASHER .500 X .267 X .031 +/- .002</p> <p>PUROLATOR # 7684382 GST &amp; HST on sales</p> <p><i>8 u66/78</i></p>	<p>500</p>

GST/HST No.

889055281